

FORM PTO-1390 (REV. 10-2003) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <div style="text-align: center; font-size: 1.2em;">04343407</div>
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <div style="text-align: center; font-size: 1.5em;">10/510411</div>
INTERNATIONAL APPLICATION NO. PCT/US2003/010700	INTERNATIONAL FILING DATE 08 April 2003	PRIORITY DATE CLAIMED 09 April 2002
TITLE OF INVENTION <b>TREATMENT OF TYPE 1 DIABETES BEFORE AND AFTER EXPRESSION OF PREDISPOSITION MARKERS</b>		
APPLICANT(S) FOR DO/EO/US Habib ZAGHOUBANI and Randal Keith GREGG		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (US/RO).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the claims in the Annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13<del>ter</del>.2 and 37 CFR 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4)).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4)).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: Transmittal letter and return postcard</li> </ol>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/510411</b>		INTERNATIONAL APPLICATION NO. PCT/US2002/017090		ATTORNEY'S DOCKET NUMBER 04343407	
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21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1) - (5)):</b>				<b>CALCULATIONS PTO USE ONLY</b>	
USPTO was IPEA	Regular Fee	Small Entity Fee			
All claims presented satisfied the provisions of PCT Articles 33(1) to (4)	\$100.00	\$ 50.00			
All claims presented did not satisfy the provisions of PCT Articles 33(1) to (4)	\$750.00	\$375.00			
USTPO was ISA but not IPEA	\$790.00	\$395.00			
USPTO was neither ISA nor IPEA					
Search report has not been prepared by the EPO or JPO	\$1110.00	\$555.00			
Search report has been prepared by the EPO or JPO	\$950.00	\$475.00			
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>			\$375.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).			\$		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	46-20 =	0	x \$9.00	\$234.00	
Independent Claims	5-3 =	0	x \$44.00	\$88.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+290.00		
<b>TOTAL OF ABOVE CALCULATIONS=</b>				\$322.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.					
<b>SUBTOTAL=</b>				\$697.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE=</b>				\$697.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) \$40.00 per property +				\$	
<b>TOTAL FEES ENCLOSED=</b>				\$697.00	
				<b>Amount to be refunded:</b>	\$
				<b>charged:</b>	\$

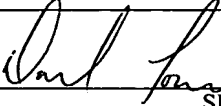
a. ☒ A check in the amount of \$697.00 to cover the fee is enclosed.

b. ☐ Please charge my Deposit Account No. 13-0019 in the amount of \$ \_\_\_\_\_ to cover the fees.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-0019. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. Provide credit card information and authorization on PTO-2038.

NOTE: Where a an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

DATE: October 6, 2004  SEND ALL CORRESPONDENCE TO:  <b>CUSTOMER NO. 26565</b>	<div style="text-align: center;">               SIGNATURE           </div> <div style="text-align: center;">             David B. Fournier, Reg. No. 51,696              NAME, REGISTRATION NUMBER           </div>
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10/510411

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: National Stage of  
PCT/US2002/010700

International  
Filing Date: April 8, 2003

Applicant: ZAGHOUANI et al.

Filed: October 6, 2004

Art Unit: unknown

Examiner: unknown

Title: TREATMENT OF TYPE 1 DIABETES  
BEFORE AND AFTER EXPRESSION  
OF PREDISPOSITION MARKERS

Docket No.: 04343407  
Customer No.: 26565

Mail Stop: PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## CERTIFICATE OF MAILING BY

"EXPRESS MAIL"

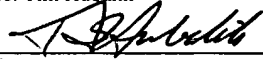
"Express Mail" mailing label number

EL 989700346 US

Date of Deposit: October 6, 2004

I hereby certify that this paper or fee is being  
deposited with the United States Postal Service  
"Express Mail Post Office to Addressee" under 37  
CFR 1.10 on the date indicated above and is  
addressed to BOX PCT, COMMISSIONER FOR  
PATENTS, P.O. BOX 1450, ALEXANDRIA, VA  
22313-1450

typed or printed name of person mailing paper or  
fee: Tim Hubalik

  
Signature

## TRANSMITTAL LETTER

Dear Sir:

Enclosed herewith are the following for the above-captioned application:

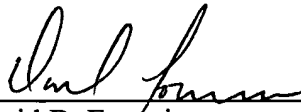
1. Form PTO-1390 Transmittal Letter to the United States  
Designated/Elected Office (DO/EO/US) Concerning a  
Filing Under 35 U.S.C. 371;
2. Application Data Sheet;
3. Check in the amount of \$697.00; and
9. Return receipt postcard.

10/510411

DT04 Rec'd PCT/PTO 06 OCT 2004

The Commissioner is hereby authorized to charge any additional filing fees required under Rule 1.17 concerning this transaction, or to credit any overpayment to Deposit Account 13-0019.

Respectfully submitted,



David B. Fournier

Reg. No. 51,696

Date: October 6, 2004

**MAYER, BROWN, ROWE & MAW LLP**

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